

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 118664-1216 - Splitter Box

Sample No: LH0278875

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0278875	LH0270618	LH0257024	LH0251654
Sample Date	21 Jan 2024	05 Jul 2023	12 Apr 2023	09 Feb 2023
Machine Hours	12181	10728	10117	9549
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RAM IRON AND METAL

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 TORONTO, ON
 CA M3J 1Z5
 Contact: PETER RACCO
 PETER@RAMIRON.COM
 T: (416)630-4545
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OIL CONDITION

Visc @ 40°C	cSt	60.1	69.4	73.4	66.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	1	1	1
Sodium	ppm	2	<1	<1	<1
Potassium	ppm	2	<1	0	0



WEAR METALS

PQ		0	---	---	---
Iron	ppm	98	10	6	8
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	2	<1	0	0
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	7	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	35	33	24	39
Magnesium	ppm	4	3	3	4
Zinc	ppm	194	138	109	114
Phosphorus	ppm	893	1063	1116	1039
Barium	ppm	0	0	0	0
Boron	ppm	154	228	236	220

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. An increase in the iron level is noted. All other component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: RAMTOR
 Unique No: 5711453
 Signed: Kevin Marson
 Report Date: 23 Jan 2024



GRAPHS

